

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

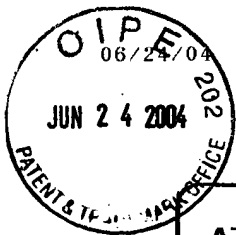
Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



06/24/04 THU 18:38 FAX 4087208381

BST&Z

:503 712 2770

4/ 7 004

**DECLARATION AND POWER OF
ATTORNEY FOR PATENT APPLICATION
(37 CFR 1.63)**☐ Declaration
Submitted
with Initial
Filing

OR

☒ Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16(e))
required)

Attorney Docket Number 42P16596

First Named Inventor Muhammad M. Khellah

COMPLETE IF KNOWN

Application Number 10/810,093

Filing Date March 26, 2004

Art Unit

Examiner Name

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe I am the original, first and sole inventor (if only one name listed below) or an original and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SRAM WITH FORWARD BODY BIASING TO IMPROVE READ CELL STABILITY

(Title of the Invention)

the specification of which

☐ is attached hereto.

OR

☒ was filed on (if applicable):

or 03/26/2004

as United States Application Number 10/810,093

PCT International Application Number

and was amended on (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Docket No. 42P16596

-1-

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a part of this document) as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

Direct all correspondence to:

☒ Customer Number**08791**or ☐ Correspondence address below

Name Blakely, Sokoloff, Taylor & Zafman LLP			
Address 12400 Wilshire Boulevard, 7th Floor			
City Los Angeles	State California	Zip Code 90025	
Country	Telephone (408) 720-8300	Fax (408) 720-8383	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Muhammad M. Khellah
(First, Middle (if any), Family Name (or Surname), and Suffix (if any))

Inventor's Signature *M. Khellah* Date 6/15/04

Residence Tigard, OR, USA Citizenship Canada
~~Lake Oswego, Oregon USA~~
(City, State, Country) (Country)

Mailing Address 2 Jefferson Parkway, #A1 12263 SW Holladay Lane
Lake Oswego, Oregon 97035 USA Tigard, OR 97223, USA

Docket No. 42P16596

-2-

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Dinesh Somasekhar
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature *Dinesh* Date 6/15/2004
Residence Hillsboro, Oregon USA Citizenship India
(City, State, Country) (Country)
Mailing Address ~~19000 NW Evergreen, #231~~ 2883 NW Adagio Way,
Hillsboro, Oregon 97124 USA

NAME OF THIRD INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Yibin Ye
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature *Yibin* Date 6/15/04
Residence Hillsboro, Oregon USA Citizenship China
(City, State, Country) (Country)
Mailing Address 3081 NW Overlook Drive, #332
Hillsboro, Oregon 97124 USA

NAME OF FOURTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Ali R. Farhang
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature _____ Date _____
Residence Beaverton, Oregon USA Citizenship USA
(City, State, Country) (Country)
Mailing Address 16720 SW Blackberry Lane
Beaverton, Oregon 97007 USA

NAME OF FIFTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Gunjan H. Pandya
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature _____ Date _____
Residence Beaverton, Oregon USA Citizenship India
(City, State, Country) (Country)
Mailing Address 4098 NW Kino Springs Place
Beaverton, Oregon 97006 USA

Docket No. 42P16596

-3-

NAME OF SIXTH INVENTOR:

☐ A petition has been filed for this undersigned inventor

Full Name:

Vivek K. De

(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature

Date

6/15/04

Residence

Beaverton, Oregon USA

Citizenship India

(City, State, Country)

(Country)

Mailing Address

9785 SW 151st Avenue

Beaverton, Oregon 97007 USA

NAME OF SEVENTH INVENTOR:

☐ A petition has been filed for this undersigned inventor

Full Name:

(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature

Date

Residence

Citizenship

(City, State, Country)

(Country)

Mailing Address

NAME OF EIGHTH INVENTOR:

☐ A petition has been filed for this undersigned inventor

Full Name:

(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature

Date

Residence

Citizenship

(City, State, Country)

(Country)

Mailing Address

NAME OF NINTH INVENTOR:

☐ A petition has been filed for this undersigned inventor

Full Name:

(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature

Date

Residence

Citizenship

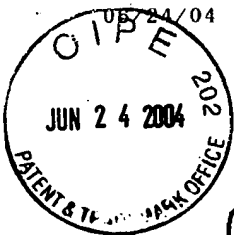
(City, State, Country)

(Country)

Mailing Address

Docket No. 42P16596

-4-



DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (37 CFR 1.63)		Attorney Docket Number	42P16596
		First Named Inventor	Muhammad M. Khellah
<input type="checkbox"/> Declaration Submitted with Initial Filing OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.18(a)) required)		COMPLETE IF KNOWN	
		Application Number	10/810,093
		Filing Date	March 26, 2004
		Art Unit	
		Examiner Name	

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe I am the original, first and sole inventor (if only one name listed below) or an original and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SRAM WITH FORWARD BODY BIASING TO IMPROVE READ CELL STABILITY

(Title of the Invention)

the specification of which

☐ is attached hereto.

OR

☒ was filed on (if applicable):

or 03/26/2004 as United States Application Number 10/810,093

and was amended on _____ PCT International Application Number _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Docket No. 42P16596

-1-

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a part of this document) as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

Direct all correspondence to:

☒ Customer Number

08791

or ☐ Correspondence address below

Name <u>Blakely, Sokoloff, Taylor & Zafman LLP</u>			
Address <u>12400 Wilshire Boulevard, 7th Floor</u>			
City <u>Los Angeles</u>	State <u>California</u>	Zip Code <u>90025</u>	
Country	Telephone <u>(408) 720-8300</u>	Fax <u>(408) 720-8383</u>	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Muhammad M. Khellah
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____ Date _____

Residence Lake Oswego, Oregon USA Citizenship Canada
(City, State, Country) (Country)

Mailing Address 2 Jefferson Parkway, #A1
Lake Oswego, Oregon 97035 USA

Docket No. 42P16596

-2-

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this undersigned inventorFull Name: Dinesh Somasekhar
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____ Date _____

Residence Hillsboro, Oregon USA Citizenship India
(City, State, Country) (Country)Mailing Address 19000 NW Evergreen, #231
Hillsboro, Oregon 97124 USANAME OF THIRD INVENTOR: ☐ A petition has been filed for this undersigned inventorFull Name: Yibin Ye
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____ Date _____

Residence Hillsboro, Oregon USA Citizenship China
(City, State, Country) (Country)Mailing Address 3081 NW Overlook Drive, #332
Hillsboro, Oregon 97124 USANAME OF FOURTH INVENTOR: ☐ A petition has been filed for this undersigned inventorFull Name: All R. Farhang
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____ Date _____

Residence Beaverton, Oregon USA Citizenship USA
(City, State, Country) (Country)Mailing Address 16720 SW Blackberry Lane
Beaverton, Oregon 97007 USANAME OF FIFTH INVENTOR: ☐ A petition has been filed for this undersigned inventorFull Name: Gunjan H. Pandya
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])Inventor's Signature  Date 6/21/2004Residence Beaverton, Oregon USA Citizenship India
(City, State, Country) (Country)Mailing Address 4081 NW Kino Springs Place → 4081 NW KINO SPRINGS PL.
Beaverton, Oregon 97006 USA

Docket No. 42P16596

-3-

NAME OF SIXTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Vivek K. De
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature _____ Date _____
Residence Beaverton, Oregon USA Citizenship India
(City, State, Country) (Country)
Mailing Address 9785 SW 151st Avenue
Beaverton, Oregon 97007 USA

NAME OF SEVENTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: _____
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature _____ Date _____
Residence _____ Citizenship _____
(City, State, Country) (Country)
Mailing Address _____

NAME OF EIGHTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

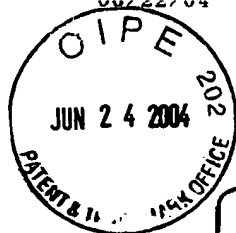
Full Name: _____
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature _____ Date _____
Residence _____ Citizenship _____
(City, State, Country) (Country)
Mailing Address _____

NAME OF NINTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: _____
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature _____ Date _____
Residence _____ Citizenship _____
(City, State, Country) (Country)
Mailing Address _____

Docket No. 42P16596

-4-



DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (37 CFR 1.63)	
<input type="checkbox"/> Declaration Submitted with Initial Filing	<input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required)
OR	
Attorney Docket Number 42P16596	
First Named Inventor Muhammad M. Khellah	
COMPLETE IF KNOWN	
Application Number 10/810,093	
Filing Date March 26, 2004	
Art Unit	
Examiner Name	

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe I am the original, first and sole inventor (if only one name listed below) or an original and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SRAM WITH FORWARD BODY BIASING TO IMPROVE READ CELL STABILITY

(Title of the Invention)

the specification of which

☐ is attached hereto.

OR

☒ was filed on (if applicable):

or 03/26/2004 as United States Application Number 10/810,093

PCT International Application Number

and was amended on (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Docket No. 42P16596

-1-

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a part of this document) as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

Direct all correspondence to:

☒ Customer Number**08791**or ☐ Correspondence address below

Name Blakely, Sokoloff, Taylor & Zafman LLP			
Address 12400 Wilshire Boulevard, 7th Floor			
City Los Angeles	State California	Zip Code 90025	
Country	Telephone (408) 720-8300	Fax (408) 720-8383	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Muhammad M. Khellah
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____ Date _____

Residence Lake Oswego, Oregon USA Citizenship Canada
(City, State, Country) (Country)

Mailing Address 2 Jefferson Parkway, #A1
Lake Oswego, Oregon 97035 USA

Docket No. 42P16596

-2-

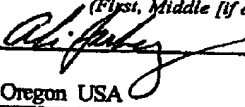
NAME OF SECOND INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Dinesh Somasekhar
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature _____ Date _____
Residence Hillsboro, Oregon USA Citizenship India
(City, State, Country) (Country)
Mailing Address 19000 NW Evergreen, #231
Hillsboro, Oregon 97124 USA

NAME OF THIRD INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Yibin Ye
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature _____ Date _____
Residence Hillsboro, Oregon USA Citizenship China
(City, State, Country) (Country)
Mailing Address 3081 NW Overlook Drive, #332
Hillsboro, Oregon 97124 USA

NAME OF FOURTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: All R. Farhang
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature  Date 6/22/2004
Residence Beaverton, Oregon USA Citizenship USA
(City, State, Country) (Country)
Mailing Address 16720 SW Blackberry Lane
Beaverton, Oregon 97007 USA

NAME OF FIFTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Gunjan H. Pandya
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature _____ Date _____
Residence Beaverton, Oregon USA Citizenship India
(City, State, Country) (Country)
Mailing Address 4098 NW Kino Springs Place
Beaverton, Oregon 97006 USA

Docket No. 42P16596

-3-

NAME OF SIXTH INVENTOR: ☐ A petition has been filed for this undersigned inventorFull Name: Vivek K. De
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____ Date _____

Residence Beaverton, Oregon USA Citizenship India
(City, State, Country) (Country)Mailing Address 9785 SW 151st Avenue
Beaverton, Oregon 97007 USANAME OF SEVENTH INVENTOR: ☐ A petition has been filed for this undersigned inventorFull Name: _____
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____ Date _____

Residence _____ Citizenship _____
(City, State, Country) (Country)Mailing Address _____
_____NAME OF EIGHTH INVENTOR: ☐ A petition has been filed for this undersigned inventorFull Name: _____
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____ Date _____

Residence _____ Citizenship _____
(City, State, Country) (Country)Mailing Address _____
_____NAME OF NINTH INVENTOR: ☐ A petition has been filed for this undersigned inventorFull Name: _____
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____ Date _____

Residence _____ Citizenship _____
(City, State, Country) (Country)Mailing Address _____

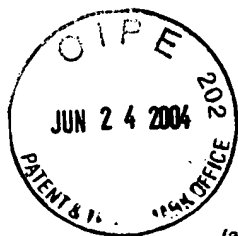
Docket No. 42P16596

-4-



Appendix A

I hereby appoint with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith, BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN, a firm including: William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,281; Anthony H. Azure, Reg. No. 52,580; W. Thomas Babbitt, Reg. No. 39,591; Jordan M. Becker, Reg. No. 39,802; Todd M. Becker, Reg. No. 43,487; Michael A. Bernadicon, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Thomas M. Coester, Reg. No. 39,837; Mimi D. Dao, Reg. No. 45,628; Stephen M. De Klerk, Reg. No. 46,503; Daniel M. De Vos, Reg. No. 37,813; Sanjeet Dutta, Reg. No. 46,145; Tarek N. Fahmi, Reg. No. 41,402; Thomas S. Ferrill, Reg. No. 42,532; Angelo J. Gaz, Reg. No. 45,907; Andre M. Gibbs, Reg. No. 47,593; James Y. Go, Reg. No. 40,621; J. Scott Helleson, Reg. No. 46,765; James A. Henry, Reg. No. 41,064; Willmore F. Holbrow III, Reg. No. 41,846; Sheryl Sue Holloway, Reg. No. 37,850; George W. Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; Steve Laut, Reg. No. 47,738; Suk S. Lee, Reg. No. 47,745; Gordon R. Lindsen III, Reg. No. 33,192; Jan C. Little, Reg. No. 41,181; Joseph Lutz, Reg. No. 43,765; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, Reg. No. 48,095; Raul D. Martinez, Reg. No. 46,904; Paul A. Mendonsa, Reg. No. 42,879; Jonathan S. Miller, Reg. No. 48,534; Heather M. Molleur, Reg. No. 50,432; Richard A. Nakashima, Reg. No. 42,023; Thinh V. Nguyen, Reg. No. 42,034; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanessian, Reg. No. 41,236; Philip A. Pedigo, Reg. No. P-52,107; Marina Pormova, Reg. No. 45,750; James H. Salter, Reg. No. 35,868; William W. Schaal, Reg. No. 39,018; James C. Schaller, Reg. No. 31,185; Kevin G. Shao, Reg. No. 45,095; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Edwin H. Taylor, Reg. No. 25,129; Lisa Tom, Reg. No. P-52,291; Kerry D. Tweet, Reg. No. 45,959; Mark C. Van Ness, Reg. No. 39,866; Thomas A. Van Zandt, Reg. No. 43,219; Lester J. Vincent, Reg. No. 31,460; John P. Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; C. Teresa Wong, Reg. No. 48,042; and Norman Zafman, Reg. No. 26,250; my patent attorneys, and Brent E. Vecchia, Reg. No. 48,011, and Lehua Wang, Reg. No. 48,023; my patent agents, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3600. I also appoint Alan K. Aldous, Reg. No. 31,905; Rob D. Anderson, Reg. No. 33,828; Shireen I. Bacon, Reg. No. 40,494; Michael Barre, Reg. No. 44,023; Jay P. Beale, Reg. No. 50,901; R. Edward Brake, Reg. No. 37,784; Ben Burge, Reg. No. 42,572; Robert Chang, Reg. No. 48,765; George Chen, Reg. No. 50,807; Glen B. Choi, Reg. No. 43,546; Kenneth Cool, Reg. No. 40,570; Ted A. Crawford, Reg. No. 50,610; Robert Diehl, Reg. No. 35,118; Jeffrey S. Draeger, Reg. No. 41,000; Cynthia Thomas Fastz, Reg. No. 39,973; Christopher Gagne, Reg. No. 36,142; Sharmine N. Green, Reg. No. 41,410; Robert Greenberg, Reg. No. 44,133; Bradley Greenwald, Reg. No. 34,341; Libby Hope, Reg. No. 46,774; Jeffrey B. Huter, Reg. No. 41,086; Seth Z. Katson, Reg. No. 40,670; Peter Lam, Reg. No. 44,855; Issac Lin, Reg. No. 50,672; Anthony Martinez, Reg. No. 44,223; Molly McCall, Reg. No. 46,126; Larry Menneleier, Reg. No. 51,003; Erik M. Metzger, Reg. No. 53,320; Paul Nagy, Reg. No. 37,896; Michael J. Nashelwat, Reg. No. 47,819; Dennis A. Nicholls, Reg. No. 42,036; Lanny Parker, Reg. No. 44,281; Alan Pedersen-Giles, Reg. No. 39,998; Michael D. Plimier, Reg. No. 43,004; Michael Proksch, Reg. No. 43,021; Kevin A. Reif, Reg. No. 36,381; Crystal D. Sayles, Reg. No. 44,318; Russell Scott, Reg. No. 43,103; Kenneth M. Seddon, Reg. No. 43,105; Mark Seeley, Reg. No. 32,299; Amr P. Shah, Reg. No. 42,143; David Simon, Reg. No. 32,756; Steven P. Skabrat, Reg. No. 36,279; Paul E. Steiner, Reg. No. 41,326; Joni D. Stutman-Horn, Reg. No. 42,173; David Tran, Reg. No. 50,804; John F. Travis, Reg. No. 43,203; Robert Wawrzyn, Reg. No. 54,654; Calvin E. Wells, Reg. No. 43,256; Stuart Whittington, Reg. No. 45,215; Michael Willardson, Reg. No. 50,856; Robert Winkle, Reg. No. 37,474; Rita Wisor, Reg. No. 41,382; Sharon Wong, Reg. No. 37,760; and Steven D. Yates, Reg. No. 42,242; my patent attorneys, and my patent agents, of INTEL CORPORATION, with offices located at 2200 Mission College Blvd., Santa Clara, CA 95052, telephone (408) 765-8080; and James R. Thain, Reg. No. 31,710, and John F. Kacvinsky, Reg. No. 40,040, my patent attorneys; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.



Title 37, Code of Federal Regulations, Section 1.56
Duty to Disclose Information Material to Patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information, which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a *prima facie* case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A *prima facie* case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

(e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.